

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 03/02/2006

DSR Number: 103-05-009K Project Number: Bayou Liberty

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 1e
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: St. Tammany Parish

Address: PO Box 628

City/State/Zip: Covington, LA 70434 -0628

Telephone Number: (985) 898-2552

Fax: (985) 898-5205

Section 1C Site Location Information

County: St. Tammany State: LA Congressional District: 01

Latitude DS: 30.30119 Longitude DS: 89.83093 Section: 31,38,39 Township: 8S Range: 14E

Latitude US: 30.33609 Longitude US: 89.84084

UTM Coordinates: _____

Drainage Name: Bayou Liberty Reach 8900 Ft.

Damage Description: Debris - Heavy

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

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Section 1E Proposed Action

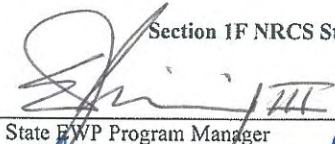
Describe the preferred alternative from Findings: Section 5 A:

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits, and is socially acceptable.

Total installation cost identified in this DSR: Section 3: \$ 258,300.00

Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed: 3/9/06

Approved By:


State Conservationist

Date Approved: 3/9/06

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Remove and dispose debris and large trees from the channel using only the right side of the channel.	Leave all debris and large debris in the channel	Remove and dispose debris and large trees from the channel using both sides of the channel for access
		2D Effects of Alternatives		
Soil				
Bank Erosion	disturbed soils from bank, tree falls, and uprooting 20-T/ac	removal of debris will allow reveg. and reduce loss 5-T/ac	potential for further damage from debris 20-T/ac	reveg./reduce soil loss 10-T/ac
Soil Quality	soil quality reduced	soil quality improved	soil quality reduced	soil quality improved
Water				
Downstream water rights				
DO	low DO from decreased water flow	remove debris/increase flow/DO	blockage/low DO	remove debris/increase flow/DO
BOD	high BOD/debris decomposition	improved BOD by removing detritus	high BOD/decomposition	improved BOD/less detritus
Overall Stream Health	SVAP = 6.1 = fair	SVAP = 6.3 = fair	SVAP = 6.1 = fair	SVAP = 6.3 = fair
Air				
PM - 10	attainment	attainment	attainment	attainment
Plant				
riparian plants	excess debris potential damage	debris removal will increase growth potential	continued growth limitation	debris removal will increase growth potential
aquatic plants	few due to poor water quality	increase water quality and aquatic plants	absent or few	increase aquatic plants
Animal				
Aquatic habitat	impaired food web quality	quality increased/reduce BOD	quality reduced/high BOD	quality increased/reduce BOD
Upland habitat	damaged due to debris	increase/low damage	slight increase with time	slight increase w/increased damage resulting from access
Other				
Aesthetics	Poor due to clutter	improved by debris removal	Poor due to clutter	improved by debris removal
Vectors	Increased potential due to stagnation	improve water flow	Increased potential due to stagnation	improve water flow

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Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA Jurisdiction. CWA permit will be needed if debris is left in channel.	Improve water quality; CWA permit required	decrease water quality; increase blockage/clutter	Improve water quality; short term increase in damage; CWA permit required
Coastal Zone Management Areas	Reach is located south of I-12 in coastal management zone.	Consistency authorization required.	Reach is located south of I-12 in coastal management zone.	Consistency authorization required.
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	None observed on-site. Cross reference with state leader.	None observed on-site. Cross reference with state leader.	None observed on-site. Cross reference with state leader.	None observed on-site. Cross reference with state leader.
Endangered and Threatened Species	(FOTG Section II) (Federal/State Lists) Species listed in parish, no habitat or species noted.	(FOTG Section II) (Federal/State Lists) Species listed in parish.	(FOTG Section II) (Federal/State Lists) Species listed in parish.i	(FOTG Section II) (Federal/State Lists) Species listed in parish, no habitat or species noted.
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	N/A (Referenced with NOAA)	N/A (Referenced with NOAA)	N/A (Referenced with NOAA)	N/A (Referenced with NOAA)
Fish and Wildlife Coordination	State level review by project type with USFWS & LDWF; Consultation not required for debris removal.	State level review by project type with USFWS & LDWF; Consultation not required for debris removal.	State level review by project type with USFWS & LDWF; Consultation not required for debris removal.	State level review by project type with USFWS & LDWF; Consultation not required.
Floodplain Management	Stream is located in 100-year floodplain and function is impaired.	improved function to drainage channel by restoring pre-storm hydraulic capacity	100-year floodplain function is impaired	improved function to drainage channel by restoring pre-storm hydraulic capacity
Invasive Species	Chinese tallow, Chinese privet and japanese climbing vine noted in stream riparian zone.	No significant impact	No significant impact	No significant impacts
Migratory Birds	Food and cover quality for migratory nesting birds reduced.	Food and cover quality for nesting birds improved.	Food and cover quality for migratory nesting birds reduced.	Food and cover quality for nesting birds improved.
Natural Areas	(FOTG II) none identified	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG II) (Soil Survey) none present	N/A	N/A	N/A
Riparian Areas	Riparian area impacted by debris accumulation and altered hydrology	Riparian area improved by debris removal; some temporary impacts resulting from access	Riparian area impacted by increased debris and altered hydrology	Riparian area improved by debris removal; long-term impacts resulting from access
Scenic Beauty	(FOTG II) None present	N/A	N/A	N/A
Wetlands	Open water containing debris. Emergent/wooded wetlands littered with debris near bayou	Wetlands values and functions restored to pre-storm conditions.	Open water containing debris. Emergent/wooded wetlands littered with debris near bayou	Wetlands values and functions restored to pre-storm conditions.
Wild and Scenic Rivers	(FOTG II) - LDWF Scenic Streams List (not listed)	N/A	N/A	N/A

Completed By: Kris Davis

Date: 03/02/2006

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Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
Houses:			
1 @ \$100,000	100,000.00	25	25,000.00
2 @ \$150,000	300,000.00	25	75,000.00
8 @ \$250,000	2,000,000.00	25	500,000.00
3 @ \$350,000	1,050,000.00	25	262,500.00
Properties Protected (Public):			
Trace Trail Head	500,000.00	25	125,000.00
St. Tammany Trace Bridge	100,000.00	25.00	25,000.00
US 190 Bridge	1000000	25	250,000.00
Total Near Term Damage Reduction \$			1,262,500.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			1,004,200.00

Completed By: Kevin Stilley

Date: 03/02/2006

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	YES - MANY DOWNED TREES BLOCKING ACCESS
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IMPAIRMENT INCREASED FLOODING IMPACTS THROUGHOUT THE COMMUNITY.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Completed By: MW Date: 02/15/2006

DSR NO: _____
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Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	2
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	2
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	1
White Female Non-Hispanic	18
White Male Hispanic	
White Male Non-Hispanic	16
Total Group	39

Census tract(s) St. Tammany Parish

Completed By: Kevin Stilley Date: 03/02/2006

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Section 21. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Required: Access permission (St. Tammany has a 60' corridor access); CWA permit (COE); Water Quality Certification (LDEQ). Consistency Authorization needed (LDNR-CMD).

Eight State and/or Federal Species are listed in the St. Tammany Parish, however, no species are listed on the Species of Conservation Concern map and no suitable habitat was noted.

Mitigation Description:

Avoid impacts to western side of channel to prevent damage to riparian zone adjacent to channel. Work should be conducted from eastern side of channel whenever possible. Only new/Katrina caused debris will be removed. No live trees within the stream bed should be cut. Action will be completed without interruption.

Reseeding of riparian zone will be required after removal to minimize run-off effects in riparian zone in accordance with (342) Critical Area Treatment Standard found in EFOTG Section IV.

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits and is socially acceptable.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers

USFWS

LDWF

LDEQ

St. Tammany Parish Government

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Section 3 Engineering Cost Estimate

Completed By: Caroline Clarin Date: 03/02/2006

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Remove and dispose debris and large trees from the channel using only one side of the channel for access				0.00
Mobilization and Demobilization	1	LS	7,500.00	7,500.00
Channel Obstruction Removal	8,900	LF	28.00	249,200.00
Seeding, Sprigging, Mulching	8	AC	200.00	1,600.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
Total Installation Cost (Enter in Section 1F)\$				258,300.00

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

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Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1e
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

St. Tammany

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Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Removal of debris by conventional method.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

- ☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter 5.2.2.2.2
Chapter _____
Chapter _____
Chapter _____

____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title:

D. St. Louis

Date:

11/8/05

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

[Signature]

Title:

Environmental Specialist

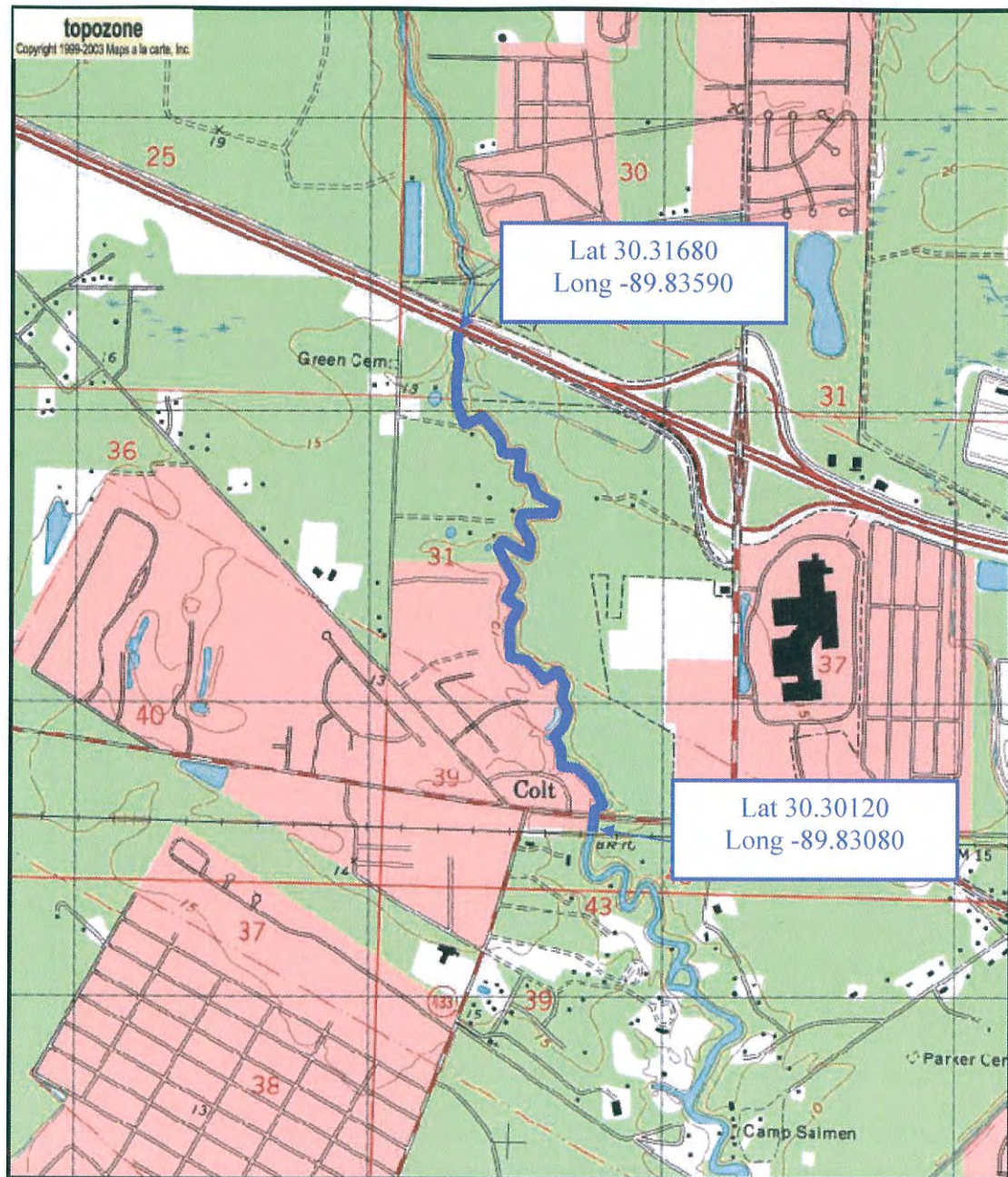
Date:

11.9.05

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

TOPO MAP
DSR 103-05-009K
Bayou Liberty Reach #1
St. Tammany Parish
Estimated Total Reach Length 8,900 LF



0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi
Map center is 30.3085°N, 89.8337°W (WGS84/NAD83)
Slidell quadrangle
Projection is UTM Zone 16 NAD83 Datum

M=0.384
G=-1.431